

Alan J Cooper

List of Publications by Citations

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297
papers

24,562
citations

80
h-index

150
g-index

315
ext. papers

29,271
ext. citations

10.4
avg, IF

6.71
L-index

#	Paper	IF	Citations
297	Massive migration from the steppe was a source for Indo-European languages in Europe. <i>Nature</i> , 2015 , 522, 207-11	50.4	968
296	Time dependency of molecular rate estimates and systematic overestimation of recent divergence times. <i>Molecular Biology and Evolution</i> , 2005 , 22, 1561-8	8.3	840
295	Ancient DNA: do it right or not at all. <i>Science</i> , 2000 , 289, 1139	33.3	826
294	Ancient human genomes suggest three ancestral populations for present-day Europeans. <i>Nature</i> , 2014 , 513, 409-13	50.4	812
293	Genome-wide patterns of selection in 230 ancient Eurasians. <i>Nature</i> , 2015 , 528, 499-503	50.4	774
292	Worldwide phylogeography of wild boar reveals multiple centers of pig domestication. <i>Science</i> , 2005 , 307, 1618-21	33.3	576
291	Rise and fall of the Beringian steppe bison. <i>Science</i> , 2004 , 306, 1561-5	33.3	518
290	Ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 3-16	4.4	515
289	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , 2011 , 479, 359-64	50.4	483
288	Diverse plant and animal genetic records from Holocene and Pleistocene sediments. <i>Science</i> , 2003 , 300, 791-5	33.3	424
287	Mass survival of birds across the Cretaceous-Tertiary boundary: molecular evidence. <i>Science</i> , 1997 , 275, 1109-13	33.3	414
286	Time-dependent rates of molecular evolution. <i>Molecular Ecology</i> , 2011 , 20, 3087-101	5.7	383
285	Sequencing ancient calcified dental plaque shows changes in oral microbiota with dietary shifts of the Neolithic and Industrial revolutions. <i>Nature Genetics</i> , 2013 , 45, 450-5, 455e1	36.3	366
284	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014 , 506, 47-51	50.4	351
283	Contamination in Low Microbial Biomass Microbiome Studies: Issues and Recommendations. <i>Trends in Microbiology</i> , 2019 , 27, 105-117	12.4	340
282	Complete mitochondrial genome sequences of two extinct moas clarify ratite evolution. <i>Nature</i> , 2001 , 409, 704-7	50.4	332
281	Ancient DNA, pig domestication, and the spread of the Neolithic into Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15276-81	11.5	327

280	Dynamics of Pleistocene population extinctions in Beringian brown bears. <i>Science</i> , 2002 , 295, 2267-70	33.3	324
279	The dawn of human matrilineal diversity. <i>American Journal of Human Genetics</i> , 2008 , 82, 1130-40	11	322
278	Ancient DNA from European early neolithic farmers reveals their near eastern affinities. <i>PLoS Biology</i> , 2010 , 8, e1000536	9.7	286
277	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. <i>Nature</i> , 2017 , 544, 357-361	50.4	263
276	A Gondwanan origin of passerine birds supported by DNA sequences of the endemic New Zealand wrens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 235-41	4.4	259
275	Population genetics of ice age brown bears. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 1651-4	11.5	247
274	Ancient DNA reveals key stages in the formation of central European mitochondrial genetic diversity. <i>Science</i> , 2013 , 342, 257-61	33.3	237
273	Phylogeny and ancient DNA of <i>Sus</i> provides insights into neolithic expansion in Island Southeast Asia and Oceania. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4834-9	11.5	230
272	Early allelic selection in maize as revealed by ancient DNA. <i>Science</i> , 2003 , 302, 1206-8	33.3	224
271	Evidence for time dependency of molecular rate estimates. <i>Systematic Biology</i> , 2007 , 56, 515-22	8.4	222
270	Conserved sequence motifs, alignment, and secondary structure for the third domain of animal 12S rRNA. <i>Molecular Biology and Evolution</i> , 1996 , 13, 150-69	8.3	221
269	PALEOECOLOGY. Abrupt warming events drove Late Pleistocene Holarctic megafaunal turnover. <i>Science</i> , 2015 , 349, 602-6	33.3	217
268	Ancient mitochondrial DNA provides high-resolution time scale of the peopling of the Americas. <i>Science Advances</i> , 2016 , 2, e1501385	14.3	211
267	Mitochondrial genomes reveal an explosive radiation of extinct and extant bears near the Miocene-Pliocene boundary. <i>BMC Evolutionary Biology</i> , 2008 , 8, 220	3	207
266	Environmental metabarcodes for insects: in silico PCR reveals potential for taxonomic bias. <i>Molecular Ecology Resources</i> , 2014 , 14, 1160-70	8.4	195
265	Parallel palaeogenomic transects reveal complex genetic history of early European farmers. <i>Nature</i> , 2017 , 551, 368-372	50.4	194
264	Characterization of genetic miscoding lesions caused by postmortem damage. <i>American Journal of Human Genetics</i> , 2003 , 72, 48-61	11	193
263	Novel high-resolution characterization of ancient DNA reveals C > U-type base modification events as the sole cause of post mortem miscoding lesions. <i>Nucleic Acids Research</i> , 2007 , 35, 5717-28	20.1	190

262	Ancient DNA reveals elephant birds and kiwi are sister taxa and clarifies ratite bird evolution. <i>Science</i> , 2014 , 344, 898-900	33.3	189
261	Multiple geographic origins of commensalism and complex dispersal history of Black Rats. <i>PLoS ONE</i> , 2011 , 6, e26357	3.7	189
260	Independent origins of New Zealand moas and kiwis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 8741-4	11.5	189
259	Distribution patterns of postmortem damage in human mitochondrial DNA. <i>American Journal of Human Genetics</i> , 2003 , 72, 32-47	11	178
258	Ancient DNA reveals late survival of mammoth and horse in interior Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 22352-7	11.5	170
257	Long-term persistence of bacterial DNA. <i>Current Biology</i> , 2004 , 14, R9-10	6.3	164
256	Resolving the evolution of extant and extinct ruminants with high-throughput phylogenomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18644-9	11.5	159
255	Neanderthal DNA. Not just old but old and cold?. <i>Nature</i> , 2001 , 410, 771-2	50.4	148
254	Comparison of environmental DNA metabarcoding and conventional fish survey methods in a river system. <i>Biological Conservation</i> , 2016 , 197, 131-138	6.2	143
253	Reconstructing the Deep Population History of Central and South America. <i>Cell</i> , 2018 , 175, 1185-1197.e23	26.2	143
252	Neolithic mitochondrial haplogroup H genomes and the genetic origins of Europeans. <i>Nature Communications</i> , 2013 , 4, 1764	17.4	141
251	Absence of <i>Yersinia pestis</i> -specific DNA in human teeth from five European excavations of putative plague victims. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 341-354	2.9	141
250	The influence of rate heterogeneity among sites on the time dependence of molecular rates. <i>Molecular Biology and Evolution</i> , 2012 , 29, 3345-58	8.3	140
249	Accuracy of rate estimation using relaxed-clock models with a critical focus on the early metazoan radiation. <i>Molecular Biology and Evolution</i> , 2005 , 22, 1355-63	8.3	138
248	Molecular phylogeny, biogeography, and habitat preference evolution of marsupials. <i>Molecular Biology and Evolution</i> , 2014 , 31, 2322-30	8.3	137
247	Evolutionary explosions and the phylogenetic fuse. <i>Trends in Ecology and Evolution</i> , 1998 , 13, 151-6	10.9	137
246	Extreme reversed sexual size dimorphism in the extinct New Zealand moa <i>Dinornis</i> . <i>Nature</i> , 2003 , 425, 172-5	50.4	134
245	The evolutionary history of the extinct ratite moa and New Zealand Neogene paleogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20646-51	11.5	131

244	The Oligocene bottleneck and New Zealand biota: genetic record of a past environmental crisis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995 , 261, 293-302	4.4	127
243	Phylogeography of lions (<i>Panthera leo</i> ssp.) reveals three distinct taxa and a late Pleistocene reduction in genetic diversity. <i>Molecular Ecology</i> , 2009 , 18, 1668-77	5.7	123
242	Aboriginal mitogenomes reveal 50,000 years of regionalism in Australia. <i>Nature</i> , 2017 , 544, 180-184	50.4	122
241	Flight of the dodo. <i>Science</i> , 2002 , 295, 1683	33.3	122
240	Late-Quaternary biogeographic scenarios for the brown bear (<i>Ursus arctos</i>), a wild mammal model species. <i>Quaternary Science Reviews</i> , 2011 , 30, 418-430	3.9	121
239	Four new avian mitochondrial genomes help get to basic evolutionary questions in the late cretaceous. <i>Molecular Biology and Evolution</i> , 2004 , 21, 974-83	8.3	119
238	Testing the Cambrian explosion hypothesis by using a molecular dating technique. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12386-9	11.5	115
237	Survival and recovery of DNA from ancient teeth and bones. <i>Journal of Archaeological Science</i> , 2011 , 38, 956-964	2.9	114
236	Revising the recent evolutionary history of equids using ancient DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 21754-9	11.5	112
235	A molecular analysis of dietary diversity for three archaic Native Americans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 4317-22	11.5	112
234	Evolution, systematics, and phylogeography of pleistocene horses in the new world: a molecular perspective. <i>PLoS Biology</i> , 2005 , 3, e241	9.7	111
233	Using ancient DNA to study the origins and dispersal of ancestral Polynesian chickens across the Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4826-31	11.5	110
232	The genetic origins of the Andaman Islanders. <i>American Journal of Human Genetics</i> , 2003 , 72, 178-84	11	108
231	Parallel evolution of genes and languages in the Caucasus region. <i>Molecular Biology and Evolution</i> , 2011 , 28, 2905-20	8.3	107
230	Identifying genetic traces of historical expansions: Phoenician footprints in the Mediterranean. <i>American Journal of Human Genetics</i> , 2008 , 83, 633-42	11	107
229	Ancient mitochondrial DNA from hair. <i>Current Biology</i> , 2004 , 14, R463-4	6.3	105
228	Molecular phylogeny of coleoid cephalopods (Mollusca: Cephalopoda) using a multigene approach; the effect of data partitioning on resolving phylogenies in a Bayesian framework. <i>Molecular Phylogenetics and Evolution</i> , 2005 , 37, 426-41	4.1	105
227	Iron Age and Anglo-Saxon genomes from East England reveal British migration history. <i>Nature Communications</i> , 2016 , 7, 10408	17.4	100

226	When did first reach Southeast Asia and Sahul?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8482-8490	11.5	100
225	Mitochondrial phylogenomics of modern and ancient equids. <i>PLoS ONE</i> , 2013 , 8, e55950	3.7	99
224	Y-chromosomal diversity in Lebanon is structured by recent historical events. <i>American Journal of Human Genetics</i> , 2008 , 82, 873-82	11	94
223	Climate change not to blame for late Quaternary megafauna extinctions in Australia. <i>Nature Communications</i> , 2016 , 7, 10511	17.4	91
222	Evolution of the extinct Sabretooths and the American cheetah-like cat. <i>Current Biology</i> , 2005 , 15, R589-90		91
221	From the field to the laboratory: Controlling DNA contamination in human ancient DNA research in the high-throughput sequencing era. <i>Science and Technology of Archaeological Research</i> , 2017 , 3, 1-14	1.2	83
220	The Genographic Project public participation mitochondrial DNA database. <i>PLoS Genetics</i> , 2007 , 3, e1046		83
219	Synergistic roles of climate warming and human occupation in Patagonian megafaunal extinctions during the Last Deglaciation. <i>Science Advances</i> , 2016 , 2, e1501682	14.3	81
218	Relict or colonizer? Extinction and range expansion of penguins in southern New Zealand. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 815-21	4.4	80
217	Laboratory contamination over time during low-biomass sample analysis. <i>Molecular Ecology Resources</i> , 2019 , 19, 982-996	8.4	79
216	Full of Sound and Fury: History of Ancient DNA. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1999 , 30, 457-477		79
215	DNA capture and next-generation sequencing can recover whole mitochondrial genomes from highly degraded samples for human identification. <i>Investigative Genetics</i> , 2013 , 4, 26		78
214	Indo-European and Asian origins for Chilean and Pacific chickens revealed by mtDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10308-13	11.5	78
213	A mitochondrial revelation of early human migrations to the Tibetan Plateau before and after the last glacial maximum. <i>American Journal of Physical Anthropology</i> , 2010 , 143, 555-69	2.5	77
212	Ancient DNA analysis of dental calculus. <i>Journal of Human Evolution</i> , 2015 , 79, 119-24	3.1	76
211	Coprolite deposits reveal the diet and ecology of the extinct New Zealand megaherbivore moa (Aves, Dinornithiformes). <i>Quaternary Science Reviews</i> , 2008 , 27, 2593-2602	3.9	76
210	The origin, current diversity and future conservation of the modern lion (<i>Panthera leo</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2119-25	4.4	76
209	Paleontology. Did the Denisovans cross Wallace's Line?. <i>Science</i> , 2013 , 342, 321-3	33.3	74

208	Substitutions in woolly mammoth hemoglobin confer biochemical properties adaptive for cold tolerance. <i>Nature Genetics</i> , 2010 , 42, 536-40	36.3	74
207	Ancient DNA and island endemics. <i>Nature</i> , 1996 , 381, 484	50.4	67
206	Ancient DNA reveals prehistoric gene-flow from siberia in the complex human population history of North East Europe. <i>PLoS Genetics</i> , 2013 , 9, e1003296	6	66
205	Evolution of the mane and group-living in the lion (<i>Panthera leo</i>): a review. <i>Journal of Zoology</i> , 2004 , 263, 329-342	2	65
204	Relationships of the extinct moa-nalos, flightless Hawaiian waterfowl, based on ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999 , 266, 2187-93	4.4	65
203	Using palaeoenvironmental DNA to reconstruct past environments: progress and prospects. <i>Journal of Quaternary Science</i> , 2014 , 29, 610-626	2.3	64
202	The skin microbiome: Associations between altered microbial communities and disease. <i>Australasian Journal of Dermatology</i> , 2015 , 56, 268-74	1.3	63
201	Early cave art and ancient DNA record the origin of European bison. <i>Nature Communications</i> , 2016 , 7, 13158	17.4	63
200	Divergence time estimates for major cephalopod groups: evidence from multiple genes. <i>Cladistics</i> , 2006 , 22, 89-96	3.5	63
199	Discovery of lost diversity of paternal horse lineages using ancient DNA. <i>Nature Communications</i> , 2011 , 2, 450	17.4	62
198	An updated tree of Y-chromosome Haplogroup O and revised phylogenetic positions of mutations P164 and PK4. <i>European Journal of Human Genetics</i> , 2011 , 19, 1013-5	5.3	62
197	DNA from Museum Specimens 1994 , 149-165		62
196	High-resolution analysis of cytosine methylation in ancient DNA. <i>PLoS ONE</i> , 2012 , 7, e30226	3.7	61
195	Sequence preservation of osteocalcin protein and mitochondrial DNA in bison bones older than 55 ka. <i>Geology</i> , 2002 , 30, 1099	5	61
194	Using Ancient DNA to Understand Evolutionary and Ecological Processes. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014 , 45, 573-598	13.5	60
193	High-resolution coproecology: using coprolites to reconstruct the habits and habitats of New Zealand's extinct upland moa (<i>Megalapteryx didinus</i>). <i>PLoS ONE</i> , 2012 , 7, e40025	3.7	60
192	Human migration through bottlenecks from Southeast Asia into East Asia during Last Glacial Maximum revealed by Y chromosomes. <i>PLoS ONE</i> , 2011 , 6, e24282	3.7	58
191	Limitations and recommendations for successful DNA extraction from forensic soil samples: a review. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014 , 54, 238-44	2	57

190	Ancient DNA provides new insights into the evolutionary history of New Zealand's extinct giant eagle. <i>PLoS Biology</i> , 2005 , 3, e9	9.7	57
189	Ancient mitochondrial DNA reveals convergent evolution of giant short-faced bears (Tremarctinae) in North and South America. <i>Biology Letters</i> , 2016 , 12,	3.6	57
188	Ancient DNA identifies post-glacial recolonisation, not recent bottlenecks, as the primary driver of contemporary mtDNA phylogeography and diversity in Scandinavian brown bears. <i>Diversity and Distributions</i> , 2013 , 19, 245-256	5	52
187	Resistance of degraded hair shafts to contaminant DNA. <i>Forensic Science International</i> , 2006 , 156, 208-12.6	12.6	52
186	Human origins and ancient human DNA. <i>Science</i> , 2001 , 292, 1655-6	33.3	52
185	A megafauna's microfauna: gastrointestinal parasites of New Zealand's extinct moa (Aves: Dinornithiformes). <i>PLoS ONE</i> , 2013 , 8, e57315	3.7	51
184	Experimental conditions improving in-solution target enrichment for ancient DNA. <i>Molecular Ecology Resources</i> , 2017 , 17, 508-522	8.4	48
183	Robust estimates of extinction time in the geological record. <i>Quaternary Science Reviews</i> , 2012 , 33, 14-19.9	19.9	48
182	Genome of the Tasmanian tiger provides insights into the evolution and demography of an extinct marsupial carnivore. <i>Nature Ecology and Evolution</i> , 2018 , 2, 182-192	12.3	48
181	Resolving lost herbivore community structure using coprolites of four sympatric moa species (Aves: Dinornithiformes). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16910-5	11.5	47
180	The Basque paradigm: genetic evidence of a maternal continuity in the Franco-Cantabrian region since pre-Neolithic times. <i>American Journal of Human Genetics</i> , 2012 , 90, 486-93	11	47
179	Lost populations and preserving genetic diversity in the lion <i>Panthera leo</i> : Implications for its ex situ conservation. <i>Conservation Genetics</i> , 2006 , 7, 507-514	2.6	44
178	Evolution of the moa and their effect on the New Zealand flora. <i>Trends in Ecology and Evolution</i> , 1993 , 8, 433-7	10.9	44
177	Geographical structure of the Y-chromosomal genetic landscape of the Levant: a coastal-inland contrast. <i>Annals of Human Genetics</i> , 2009 , 73, 568-81	2.2	43
176	Using Amplicon Sequencing To Characterize and Monitor Bacterial Diversity in Drinking Water Distribution Systems. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 6463-73	4.8	42
175	Forensic soil DNA analysis using high-throughput sequencing: a comparison of four molecular markers. <i>Forensic Science International: Genetics</i> , 2014 , 13, 176-84	4.3	42
174	Sporormiella as a proxy for non-mammalian herbivores in island ecosystems. <i>Quaternary Science Reviews</i> , 2011 , 30, 915-920	3.9	42
173	Pinghua population as an exception of Han Chinese's coherent genetic structure. <i>Journal of Human Genetics</i> , 2008 , 53, 303-313	4.3	41

172	Y-chromosome and mtDNA genetics reveal significant contrasts in affinities of modern Middle Eastern populations with European and African populations. <i>PLoS ONE</i> , 2013 , 8, e54616	3.7	39
171	Evolution and extinction of the giant rhinoceros <i>Elasmotherium sibiricum</i> sheds light on late Quaternary megafaunal extinctions. <i>Nature Ecology and Evolution</i> , 2019 , 3, 31-38	12.3	39
170	Coprolites reveal ecological interactions lost with the extinction of New Zealand birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1546-1551	11.5	38
169	Ancient mitochondrial genome reveals unsuspected taxonomic affinity of the extinct Chatham duck (<i>Pachyanas chathamica</i>) and resolves divergence times for New Zealand and sub-Antarctic brown teals. <i>Molecular Phylogenetics and Evolution</i> , 2014 , 70, 420-8	4.1	38
168	Connecting the Greenland ice-core and U ¹⁰ h timescales via cosmogenic radionuclides: testing the synchronicity of Dansgaard-Oeschger events. <i>Climate of the Past</i> , 2018 , 14, 1755-1781	3.9	38
167	Rapid megafaunal extinction following human arrival throughout the New World. <i>Quaternary International</i> , 2013 , 308-309, 273-277	2	37
166	Influences of history, geography, and religion on genetic structure: the Maronites in Lebanon. <i>European Journal of Human Genetics</i> , 2011 , 19, 334-40	5.3	37
165	DNA content and distribution in ancient feathers and potential to reconstruct the plumage of extinct avian taxa. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3395-402	4.4	37
164	The complete mitochondrial genome of an 11,450-year-old aurochs (Bos primigenius) from Central Italy. <i>BMC Evolutionary Biology</i> , 2011 , 11, 32	3	36
163	The effect of climate and environmental change on the megafaunal moa of New Zealand in the absence of humans. <i>Quaternary Science Reviews</i> , 2012 , 50, 141-153	3.9	35
162	Long-term survival of ancient DNA in Egypt: response to Zink and Nerlich (2003). <i>American Journal of Physical Anthropology</i> , 2005 , 128, 110-4; discussion 115-8	2.5	35
161	Afghanistan's ethnic groups share a Y-chromosomal heritage structured by historical events. <i>PLoS ONE</i> , 2012 , 7, e34288	3.7	35
160	Uncertainties in dating constrain model choice for inferring extinction time from fossil records. <i>Quaternary Science Reviews</i> , 2015 , 112, 128-137	3.9	34
159	A new subhaplogroup of native American Y-Chromosomes from the Andes. <i>American Journal of Physical Anthropology</i> , 2011 , 146, 553-9	2.5	34
158	Phylogeny and Evolution of 12S rDNA in Gruiformes (Aves) 1997 , 121-158		34
157	Population differentiation of southern Indian male lineages correlates with agricultural expansions predating the caste system. <i>PLoS ONE</i> , 2012 , 7, e50269	3.7	34
156	A Re-Appraisal of the Early Andean Human Remains from Lauricocha in Peru. <i>PLoS ONE</i> , 2015 , 10, e0127141	3.4	34
155	A Paleogenomic Reconstruction of the Deep Population History of the Andes. <i>Cell</i> , 2020 , 181, 1131-1145	6.21	33

154	The origins of the enigmatic Falkland Islands wolf. <i>Nature Communications</i> , 2013 , 4, 1552	17.4	33
153	Palaeogeography and voyage modeling indicates early human colonization of Australia was likely from Timor-Roti. <i>Quaternary Science Reviews</i> , 2018 , 191, 431-439	3.9	33
152	Evidence of pre-Roman tribal genetic structure in Basques from uniparentally inherited markers. <i>Molecular Biology and Evolution</i> , 2012 , 29, 2211-22	8.3	32
151	Review of Toxic Epidermal Necrolysis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	32
150	Early Last Interglacial ocean warming drove substantial ice mass loss from Antarctica. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3996-4006	11.5	30
149	Ancient DNA from the extinct South American giant glyptodont <i>Doedicurus</i> sp. (Xenarthra: Glyptodontidae) reveals that glyptodonts evolved from Eocene armadillos. <i>Molecular Ecology</i> , 2016 , 25, 3499-508	5.7	30
148	Antarctic eukaryotic soil diversity of the Prince Charles Mountains revealed by high-throughput sequencing. <i>Soil Biology and Biochemistry</i> , 2016 , 95, 112-121	7.5	30
147	Clan, language, and migration history has shaped genetic diversity in Haida and Tlingit populations from Southeast Alaska. <i>American Journal of Physical Anthropology</i> , 2012 , 148, 422-35	2.5	30
146	Predicting the origin of soil evidence: High throughput eukaryote sequencing and MIR spectroscopy applied to a crime scene scenario. <i>Forensic Science International</i> , 2015 , 251, 22-31	2.6	29
145	Comment on "Whole-genome analyses resolve early branches in the tree of life of modern birds". <i>Science</i> , 2015 , 349, 1460	33.3	29
144	New Zealand Passerines Help Clarify the Diversification of Major Songbird Lineages during the Oligocene. <i>Genome Biology and Evolution</i> , 2015 , 7, 2983-95	3.9	29
143	Integrating multiple lines of evidence into historical biogeography hypothesis testing: a Bison bison case study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132782	4.4	29
142	Assessing the impact of water treatment on bacterial biofilms in drinking water distribution systems using high-throughput DNA sequencing. <i>Chemosphere</i> , 2014 , 117, 185-92	8.4	29
141	Historical stocking data and 19th century DNA reveal human-induced changes to native diversity and distribution of cutthroat trout. <i>Molecular Ecology</i> , 2012 , 21, 5194-207	5.7	29
140	Evolutionary history of the Falklands wolf. <i>Current Biology</i> , 2009 , 19, R937-8	6.3	29
139	A lost link between a flightless parrot and a parasitic plant and the potential role of coprolites in conservation paleobiology. <i>Conservation Biology</i> , 2012 , 26, 1091-9	6	28
138	Multiplexed SNP typing of ancient DNA clarifies the origin of Andaman mtDNA haplogroups amongst South Asian tribal populations. <i>PLoS ONE</i> , 2006 , 1, e81	3.7	28
137	A global environmental crisis 42,000 years ago. <i>Science</i> , 2021 , 371, 811-818	33.3	28

136	Using environmental (e)DNA sequencing for aquatic biodiversity surveys: a beginner's guide. <i>Marine and Freshwater Research</i> , 2017 , 68, 20	2.2	27
135	Criteria for assessing the quality of Middle Pleistocene to Holocene vertebrate fossil ages. <i>Quaternary Geochronology</i> , 2015 , 30, 69-79	2.7	27
134	DNA adsorption by nanocrystalline allophane spherules and nanoaggregates, and implications for carbon sequestration in Andisols. <i>Applied Clay Science</i> , 2016 , 120, 40-50	5.2	27
133	Molecular beacons immobilized within suspended core optical fiber for specific DNA detection. <i>Optics Express</i> , 2012 , 20, 29378-85	3.3	27
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131	Ancient DNA clarifies the evolutionary history of American Late Pleistocene equids. <i>Journal of Molecular Evolution</i> , 2008 , 66, 533-8	3.1	27
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